

Table F-34. Environmental Data for P-Area Waste Sites

Waste site	Areal extent of site (m)	Distance to nearest wetland (m)	Area of wetlands within 200 m/1000 m (acres)	Endangered species data	Non-PATHRAE-modeled groundwater contaminants exceeding freshwater biota criteria ^a			Area of groundwater outcrop; distance (m) to outcrop	Dilution factor ^d
					Contaminant	Reported level ^b	Criterion ^c		
P-Area burning/rubble pit 131-pe	18.3 x 64	365	0/No data available	No endangered species or suitable habitat observed within vicinity ^h	pH Cadmium Copper Iron Mercury	4.4 0.003 0.015 1.0 0.00025	6.5-9.0 0.00031 0.0029 1.0 0.000012	Steel Creek; 150	6.47 x 10 ⁻⁴ⁱ
P-Area acid/caustic basin 904-78G ^f	15.2 x 15.2	400	0/No data available	No endangered species or suitable habitat observed within vicinity ^h	pH Silver Beryllium Iron Zinc	4.40 0.002 0.006 2.2 0.11	6.5-9.0 0.00032 0.0053 1.0 0.047	Par Pond; 1525	1.65 x 10 ^{-4j} ; based on Lower Three Runs Creek flow
P-Area Bingham pump outage pit 643-46 ^g	8 x 144	750	0/8.5	No endangered species or suitable habitat observed within vicinity	No data available			Tributary to Par Pond; 550	6.31 x 10 ^{-4k} ; based on Lower Three Runs Creek flow

^aConcentrations are in milligrams per liter for chemicals and picocuries per liter for radionuclides.

^bAverage value for groundwater well containing highest concentration.

^cBased on ICRP 30, 1978; EPA, 1985b,c; National Technical Advisory Committee, 1968.

^dEquivalent to groundwater flux divided by flow rate of receiving stream.

^eData from Huber, Johnson, and Marine, 1987, except as otherwise indicated.

^fData from Ward, Johnson, and Marine, 1987, except as otherwise indicated.

^gData from Pekkala, Jewell, Holmes, and Marine, 1987a, except as otherwise indicated.

^hData on the area not given in site specific reference; however, based on other nearby sites endangered species or suitable habitat are not expected.

ⁱCalculation based on groundwater flux for C-Area burning/rubble pit.

^jCalculation based on groundwater flux for L-Area acid/caustic basin.

^kCalculation based on groundwater flux for L-Area Bingham pump outage pit.